

EYEZONE PA22B1080PX-5

User Manual



Aug 10, 10

CONTENTS

1. Package Contents.....	3
2. Introduction.....	3
3. Features.....	4
4. Hardware Overview.....	5
5. Remote Control.....	6
5.1 Entering Text or IP Address.....	6
6. Start the PA22B1080PX-5.....	7
7. Setting Up.....	8
7.1 Network Setup.....	8
7.2 FTP Setup.....	13
7.3 Other Setup.....	15
7.4 Scrolling Text Setup.....	17
8. Using the PA22B1080PX-5.....	18
8.1 Play Media Files on the CF Card.....	18
8.2 Multiple Display Zones.....	21
8.3 Video In.....	22
8.4 FTP Auto Download Function.....	24
8.5 RS232 Function.....	27
8.6 Log Setup.....	27
9. Http Command Function.....	28
9.1 Control.....	29
9.2 Network.....	30
9.3 Server.....	31
9.4 Time.....	32
9.5 Features.....	33
9.6 Reboot.....	33
10. Schedule Function.....	34
10.1 Install the Schedule Software.....	34
10.2 Start the Schedule Software.....	35
10.3 Apply the Schedule on the PA22B1080PX-5.....	39
11. Optional Auxiliary Equipment.....	40
11.1 Play-Button Box (Eyezone BB).....	40
11.2 Touch-Sensor Buttons.....	41
12. Troubleshooting.....	43

1. PACKAGE CONTENTS

1. PA22B1080PX
2. Quick Guide
3. Remote Control
4. CF Card Protective Cover
5. Power Adapter



PA22B1080PX



Quick Guide



Remote Control



CF Card
Protective Cover



Power Adapter
(DC 12V, 4.16A)

2. INTRODUCTION

The Eyezone PA22B1080PX Series is a high-class Digital Signage with high-end performance. The advanced technology provides the smoothest and clearest image for playing advertising contents.

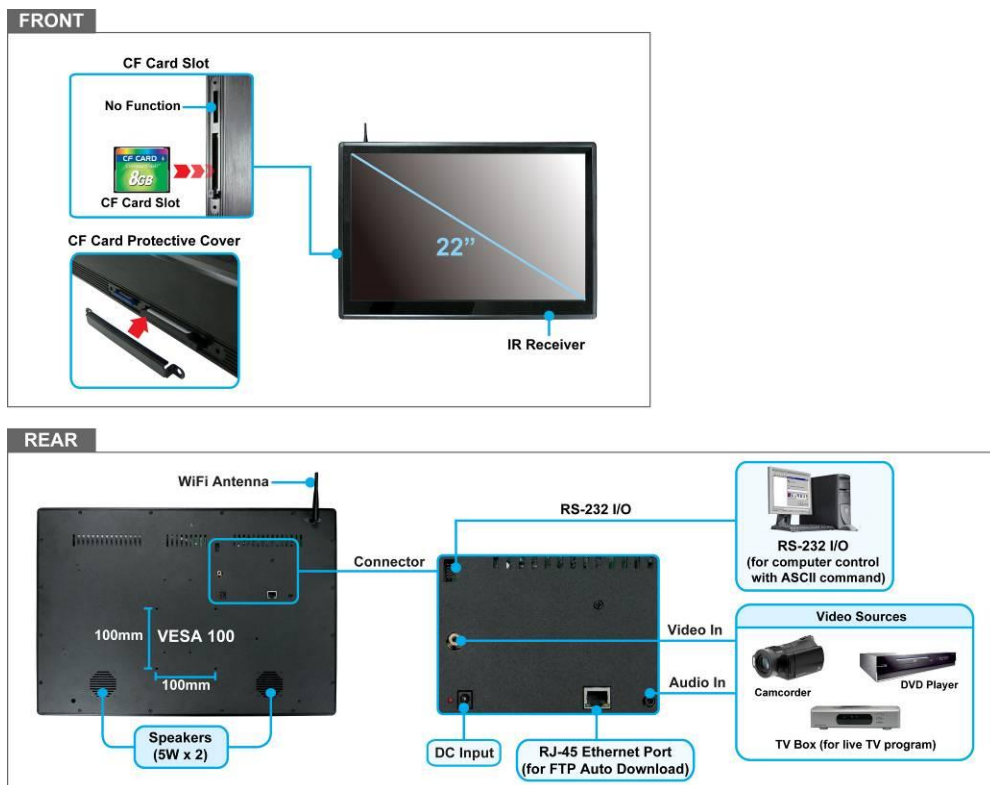
The PA22B1080PX-5 is a network digital signage that plays media files from CF memory card without a computer. The media files can be automatically updated at the specific time from an FTP server. What's more, the PA22B1080PX-5 supports multiple display zones, you can play the stored videos on CF card or the live video from TV box, DVD player or camera (the PA22B1080PX-5 supports video and audio input), picture and scrolling text on the screen simultaneously.

With the VESA standard hole (100mm x 100mm), you can mount the PA22B1080PX on the wall. The PA22B1080PX is an ideal for advertising, retail displays, digital poster, museum exhibits and other applications.

3. FEATURES

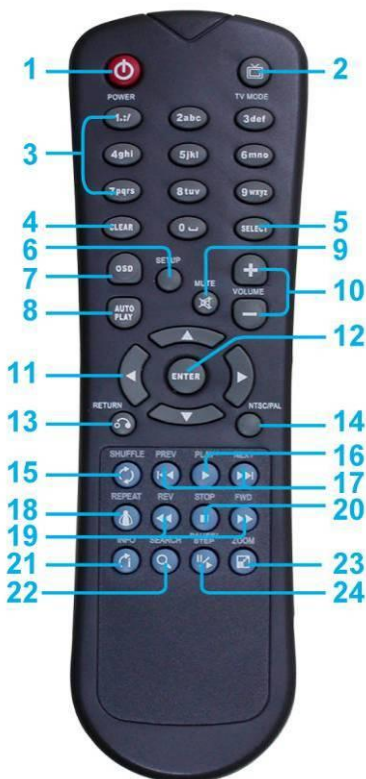
- Supports multiple file formats: WMV9 and WMA.
- Built-in 22" TFT-LCD display and stereo speakers.
- Supports resolution up to 1680 x 1050.
- Support VESA 100 (100mm x 100mm).
- Supports video input to display live videos from TV box, DVD player or camera.
- Supports RS-232 port for computer control with ASCII command (play, stop, pause...etc).
- Supports Multiple Display Zones: Displays the live or stored videos, picture (supports png format/ size: 213x641/ 96DPI) and scrolling text on the screen simultaneously.
- The display speed of scrolling text can be adjusted, and scrolling text supports multi languages (Latin1/ Latin2/ Japanese/ Greek).
- Schedule Function: The PA22B1080PX-5 will auto play the specific file at the specific date.
- Supports Log Function which can record the file and time that was be played.
- Connect using an Ethernet network cable at up to 100Mbps.
- Supports CF memory cards. (Suggest using the high speed (150X) CF card)
- Supports HTTP Control Function
- Supports Auto Key Lock Function
- Exports the Configuration Value: You can export the configuration value to the CF card. The configuration value can be modified on your PC, and can be applied to the PA22B1080PX-5 or others.
- Supports FTP Auto Download Function: Connect to Remote FTP server and download data to the CF card automatically.
- Play files and FTP Auto Download Simultaneously: The PA22B1080PX-5 can play files while downloading.
- Embedded FTP Server.
- Supports NTP Network (G.M.T) Timer.
- Supports Universal Plug and Play (UPnP) and DHCP.
- Supports SLIDE SHOW Function.
- **Bundle Remote Management Software (POP Center)**
 - Standard Version (free): Manage 5 PA22B1080PX
 - Professional Version (need charge): Manage up to 100 PA22B1080PX.
 - Upload contents
 - Schedule playlists
 - Set multi-display modes
 - Monitor status and log files of each PA22B1080PX

4. HARDWARE OVERVIEW



- **CF Card Slot:** Insert the CF memory card with contents.
- **RS-232 Connector:** Used for computer control with ASCII command.
- **Video & Audio Input:** Connects to video sources (TV Box or DVD player).
- **DC Input:** For the power adapter. (DC 12V / 4.16A)
- **RJ-45 Ethernet Connector:** Connects to router or PC by RJ-45 Cable.

5. REMOTE CONTROL



- 1 Power on/ off
- 2 Select the output mode
- 3 Numeric Key
- 4 Delete last entry
- 5 Select a function or to play the selected file
- 6 Open the setup menu Mute sound
- 7 OSD display function on/ off
- 8 Auto-play function on/ off
- 9 Mute sound
- 10 Volume up/ down
- 11 Move the cursor
- 12 Confirm the selection/ entry
- 13 Go back one layer
- 14 Select the TV type (NTSC/ PAL)
- 15 Shuffle on & off
- 16 Play the file selected
- 17 View the previous/ next file
Play the previous/ next file if in playback
- 18 Select the repeat mode
- 19 Rewind/ forward movie or music files
- 20 Stop playback
- 21 Show the information of the file selected
- 22 Search video (movie) timeframe
- 23 Zoom in/ out on the movie or picture
- 24 Pause the playback or play frame by frame

5.1 ENTERING TEXT OR IP ADDRESS

- Keys need to be pressed multiple times to enter the letter corresponding to that key.

For Example: To enter the letter “a”. You would press the button “2” twice.

- **Enter The IP Address**

For Example: To enter the IP address “192.168.100.100”.

Step 1: Press “1” once, then “1” is displayed, and the color of “1” is orange.

Step 2: When the color of “1” turns white, press “9” once, then “9” is displayed.

Step 3: Repeat steps 1 and 2 to enter and complete the IP address.

6. START THE PA22B1080PX-5

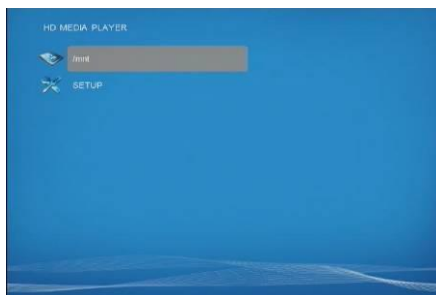
■ Power On

- Insert the CF memory card that has Picture, Music, Movie or WMV9 files.
- Connect the power adapter and the PA22B1080PX will power on automatically.

NOTE: The PA22B1080PX can't be turned on without inserting the CF card.

■ Status After Power On

- **Status 1:** If the "AUTOPLAY (Movie/ Picture/ All Files/ MultiLayer/ Video In)" function is enabled and there are media files on the CF card or the PA22B1080PX-5 is already connected to the display device, the PA22B1080PX-5 will auto play media files on CF card or live videos (from Video input) after power on.
- **Status 2:** If the "AUTOPLAY" function is disabled, after power on the main menu will appear as shown in the following figure. There are two groups in the main menu ("/mnt/CF" and "SETUP").



7. SETTING UP

- In the main menu, using the “▼” button on remote control to select the “**SETUP**” item, and then press the “ENTER” button. You will be presented with the PA22B1080PX-5 settings screen.
- You can also press the “**SETUP**” button on remote control to directly open the settings screen. (If there is file that is being play, please stop first.)
- There are five groups of sub-menu in the main menu (“Network Setup”, “FTP Setup”, “Video Setup”, “Other Setup” and “Scrolling Setup”).
- In the settings screen, you can use the “▲、▼、◀、▶” buttons to select an item, and press the “ENTER” button to confirm the selection.
- Press the “**SETUP**” button on remote control to save and quit the settings screen.



7.1 NETWORK SETUP

7.1.1 Setting the Network from the OSD Menu



- **Network with:** Select your network connection (Disable/ RJ45/ WiFi).
- **IP Assigned by DHCP:** If you have a DHCP-enabled router, please select “On”, and then the router will automatically assigns an IP address to the PA22B1080PX-5. If you don’t have a DHCP –enabled router, select “Off” and type the network information in “**Assign IP Address**”.

7.1 NETWORK SETUP (continued)

- **Assign IP Address:** If the PA22B1080PX-5 is connected to a network without a DHCP server or you want to use Local FTP Server function, enter the fixed IP address, Mask, Gateway and DNS for the PA22B1080PX-5.

PS. Refer to 5.1 for how to enter IP address by remote control.

NOTE: Before setting the IP address, Mask, Gateway and DNS, check the network information of your PC. Please follow the steps below to get the network information of your PC.

Step 1: Click on “Start” → “Run” and type in “command”, then press “ENTER”.

The MS-DOS window will appear, type in “ipconfig” and then press “ENTER” to get the network information.



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Dr-J>ipconfig

Windows IP Configuration

Ethernet adapter Wireless Network Connection:

    Connection-specific DNS Suffix . : 
    IP Address . . . . . : 192.168.2.126
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.2.254

Ethernet adapter Local Area Connection:

    Media State . . . . . : Media disconnected

C:\Documents and Settings\Dr-J>
```

Step 2: Assign IP Address, Mask (Subnet Mask) and Gateway (Default Gateway) for the PA22B1080PX-5.

Enter the same values of the Subnet Mask and Gateway, and be careful not to enter the values of IP address that are already used by other devices on the network.

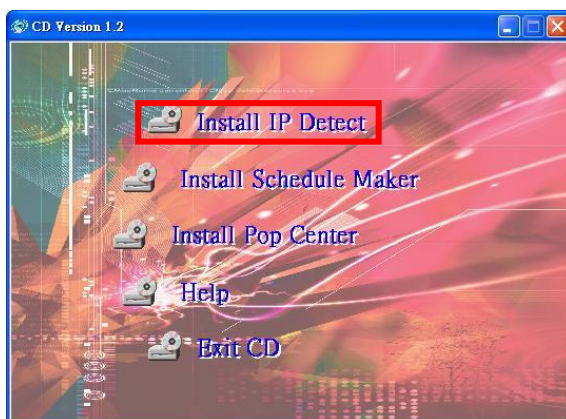
- **WiFi SSID:** Select the SSID that is being used by your wireless network.
NOTE: If your router does not list its SSID (it might be a hidden network), and the PA22B1080PX cannot detect it. You must manually enter your wireless settings in “Wi-Fi Encryption Setup”.
- **Encryption Mode:** Select the Encryption mode (Open/None, WEP, WPA-TKIP, WPA-AES, WPA2-TKIP and WPA2-AES).
- **WiFi Encryption Setup:**
 - **SSID:** The SSID name selected in “**Wi-Fi SSID**” appears here. You can also enter SSID name manually here.
 - **Password:** Connect to an encrypted wireless device and the password you enter here must match the password of the device exactly.
- **WiFi Connection Status:** Display the Wi-Fi information.

7.1.2 Setting the Network from the IP Detect Tool

With the bundle tool “IP Detect”, user could search PA22B1080PX-5 on the local area network. User could also change the IP setting via this tool. For example, user might assign a static IP to PA22B1080PX-5 by the steps as below:

Step1: Insert the driver CD into your CD-ROM drive, then the autorun function will start up the shell program. If the autorun window does not display, please execute the Autorun.exe program to bring out the autorun screen.

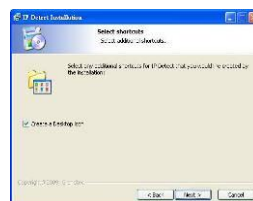
Step2: Click on the **Install IP Detect** to install the IP detect tool.



Click **Next** to continue



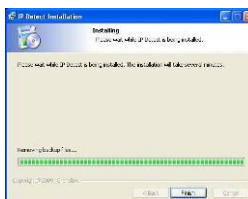
Select the installation folder and click **Next** to continue



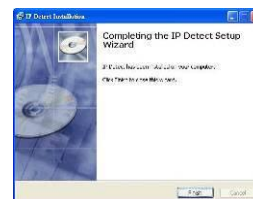
Create a desktop icon and click **Next** to continue



Click **Install** to start the installation



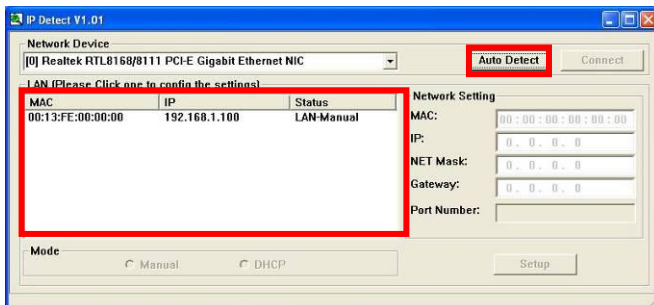
Installing



Click **Finish** to complete the installation

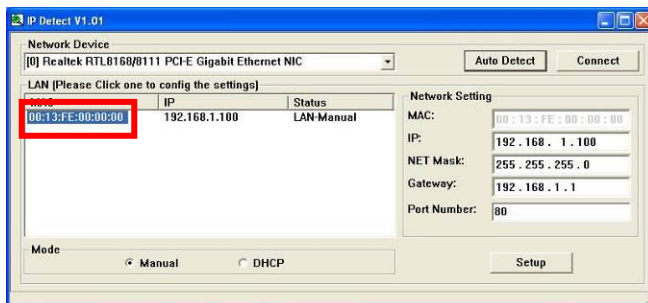
Step3: Double click on the  icon to start the tool.

Step4: Click on the “Auto Detect” button, then the tool will show all available PA22B1080PX-5 in the local area network.

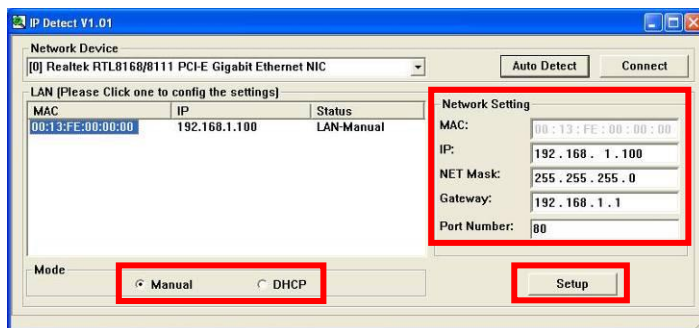


NOTE: When use PA22B1080PX-5 under a DHCP-enabled network, user sometimes does not know which IP address is assigned to PA22B1080PX-5. User could also use this tool as a “Finder”, for locating the IP address of PA22B1080PX-5. By pressing the “Connect” button, IE browser will show up and access to the build-in web of PA22B1080PX-5 automatically.

Step5: Select the PA22B1080PX-5 that you want to configure (by identifying the MAC address).

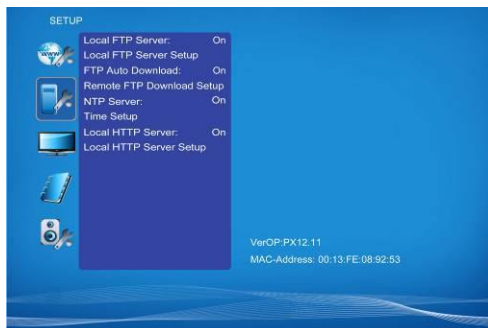


Step6: The default IP mode of PA22B1080PX-5 is DHCP. You should change the mode to “Manual”, if you want to assign a static IP address to PA22B1080PX-5. Then enter the preferred “IP”, “Net Mask” and “Gateway” in the “Network Setting”. Finally, click on the “Setup” button for completing the setting.

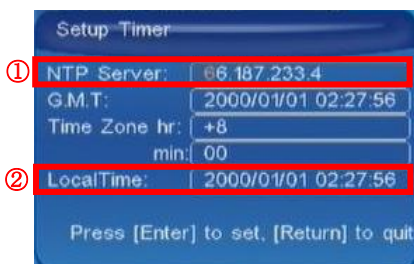


NOTE: The IP setting will not show on the OSD menu instantly, but it should be available after pressing “Setup” button. The prefer IP address will show on the OSD menu when PA22B1080PX-5 restart.

7.2 FTP SETUP



- **Local FTP Server:** Turn on/ off the PA22B1080PX-5 server.
(If you use the PA22B1080PX-5 server, please disable the DHCP function and input a fixed IP address, Mask, Gateway and DNS of the PA22B1080PX-5)
- **Local FTP Server Setup:** Set the “Port”, “User ID” and “Password” of the PA22B1080PX-5.
(The Default Port: 21, User ID: root, Password: admin)
- **FTP Auto Download:** Enable/ Disable the FTP auto download function.
- **Remote FTP Download Setup**
 - **Server IP:** Enter the domain name or IP address of the FTP as was given to you by your Web hosting provider.
 - **Port:** The default port for FTP is 21. In most cases you should not change this number. If the FTP site uses a port other than 21, you should enter the correct port.
 - **User ID:** Enter the user name of the Remote FTP server.
 - **Password:** Enter the Password of the Remote FTP server.
 - **FTP Path:** Enter the folder path that you want to share.
- **NTP Server:** Enable/ Disable the NTP server function. (if the PA22B1080PX-5 isn't connect to internet, please disable the NTP Server function)
- **Time Setup:** Set the **NTP Server** and **Local Time** here.



- ① **NTP Server** (the PA22B1080PX-5 must be already connected to the network)
 - **NTP Server:** Enter the NTP server IP address like: 204.152.184.72.
 - **G.M.T:** After PA22B1080PX-5 get the time from NTP server, it will update the G.M.T field.
 - **Time Zone:** Use the **Volume +, -** and **Numeric Key** to set the time zone of your location.
(time zone must be set properly for the **Auto-Download** and **Schedule** functions)

NOTE: GMT and applied regions

Time Zone	Region
(GMT-12:00)	Eniwetok, Quazalen
(GMT-11:00)	Midway, Ireland, Samoa
(GMT-10:00)	Hawaii
(GMT-09:00)	Alaska
(GMT-08:00)	Pacific GMT (U.S. & Canada); Tijuana
(GMT-07:00)	Continental GMT (U.S. & Canada)
(GMT-07:00)	Arizona
(GMT-06:00)	Mexico city
(GMT-06:00)	Saskatchewan
(GMT-06:00)	Eastern Coast GMT (U.S. & Canada)
(GMT-06:00)	Indiana (Eastern Coast)
(GMT-04:00)	Atlantic GMT (Canada)
(GMT-04:00)	Santiago
(GMT-04:00)	Caracas, La Paz
(GMT-04:00)	Newfoundland
(GMT-03:00)	Greenland
(GMT-03:00)	Buenos Aires, Georgetown
(GMT-03:00)	Brasilia
(GMT-02:00)	Mid-Atlantic
(GMT-01:00)	Capo Verde Is.
(GMT-01:00)	Azores
(GMT-00:00)	Greenwich GMT; Dublin, Edinburgh, Lisbon, London
(GMT-00:00)	Casablanca, Monrovia
(GMT+01:00)	Beograd, Bratislava, Budapest, Ljubljana, Prague
(GMT+01:00)	Brussels, Copenhagen, Madrid, Paris
(GMT+01:00)	Sarajevo, Skopje, Sofia, Vilnius, Warsaw, Zagreb
(GMT+01:00)	Midwest Africa
(GMT+01:00)	Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna
(GMT+02:00)	Bucharest
(GMT+02:00)	Athens, Istanbul, Minsk
(GMT+02:00)	Jerusalem
(GMT+02:00)	Cairo
(GMT+02:00)	Harare, Pretoria

Time Zone	Region
(GMT+02:00)	Helsinki, Riga, Tallinn
(GMT+03:00)	Nairobi
(GMT+03:00)	Moscow, Saint Petersburg, Volgograd
(GMT+03:00)	Baghdad
(GMT+03:00)	Kuwait, Raid
(GMT+03:30)	Tehran
(GMT+04:00)	Baku, Tbilisi, Ere van
(GMT+04:00)	Abu Dhabi, Muscat
(GMT+04:30)	Kabul
(GMT+05:00)	Yekaterinburg
(GMT+05:00)	Islamabad, Karachi, Tashkent
(GMT+05:30)	Calcutta, Chennai, Mumbai, New Delhi
(GMT+05:45)	Katmandu
(GMT+06:00)	Sri Jayewardenepura Kotte
(GMT+06:00)	Astana, Dakar
(GMT+08:00)	Irkutsk, Ulan Bator
(GMT+08:00)	Kuala Lumpur, Singapore
(GMT+08:00)	Taipei
(GMT+08:00)	Perth
(GMT+09:00)	Seoul
(GMT+09:00)	Yakutsk
(GMT+09:00)	Osaka, Sapporo, Tokyo
(GMT+09:30)	Darwin
(GMT+09:30)	Adelaide
(GMT+10:00)	Guam, Port Moresby
(GMT+10:00)	Brisbane
(GMT+10:00)	Vladivostok
(GMT+10:00)	Canberra, Melbourne, Sydney
(GMT+10:00)	Hobart
(GMT+11:00)	Magadan, Solomon Is., New Caledonia
(GMT+12:00)	Auckland, Wellington
(GMT+12:00)	Fiji, Kamchatka Pen., Marshall Is.
(GMT+13:00)	Nuku'alofa

② **Local Time:** Set the system time manually.

NOTE: If the NTP Server and Local Time have been set, the NTP Server will be the first priority (the PA22B1080PX-5 is already connected to the network).

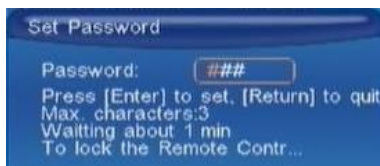
- **Local HTTP Server:** Enable/ Disable the HTTP command function.
- **Local HTTP Server Setup:** To set the “Port”, “User ID” and “Password” of the PA22B1080PX-5. (The Default Port: 80, User ID: root, Password: admin)

NOTE: Press the “SETUP” button on the remote control to save the settings, and it will auto exit the settings screen, then restart the PA22B1080PX-5.

7.3 OTHER SETUP



- **Play OSD Display:** Enable or disable the OSD display.
- **Auto Play**
 - Movies: Play the movie files on the CF card automatically after power on.
 - Pictures: Play picture files on the CF card automatically after power on (slideshow function).
 - All Files: Play all files (movie and picture files) on the CF card automatically after power on.
 - MultiLayer: Directly execute Multiple Display function after power on.
 - Video-In: Play the live videos from Video input automatically after power on
 - Off: Turn off the Auto Play function.
- **SlideShow Interval:** Set the time each photo is shown to 10, 15, 30 seconds or 1, 10, 15, 30 minutes or 1 hour.
- **Lock Remote Controller:** Enable/ disable the auto key lock function. (The PA22B1080PX-5 will auto lock when there is no further input for 1 minute.)
- **Lock Password Setup:** Press the “Enter” button to open the “Set Password” window. Enter the password with numeric buttons and press the “Enter” button to save the new password (The default password: 000).



7.3 OTHER SETUP (continued)

■ Export Setting File

Step1. Press the “Enter” button to export the configuration value to the CF card.



Step2: Copy the file “HDPlayerSetting.txt” on CF card to your PC. Use the “Wordpad” to open the file, and you can see all the configuration value of PA22B1080PX-5.

Step3: You can modify directly the configuration value on your PC.

Example: [NETWORK] Disable Options: Disable, RJ45, WiFi

The “Network” function is disabled, and then you can directly change the mode to RJ45.

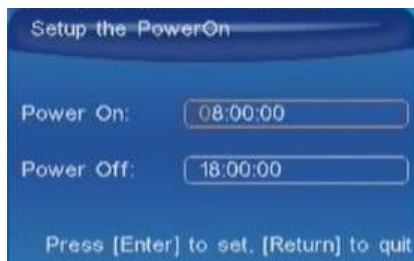
```
[NETWORK] Disable Options:Disable,RJ45,WiFi
[DHCP] On Options:On,Off
[IPAddress] 192.168.1.100 IPAddress
[Mask] 255.255.255.0 NetMask
[Gateway] 192.168.1.1 GateWay
[DNS] 168.95.1.1 DNS
```



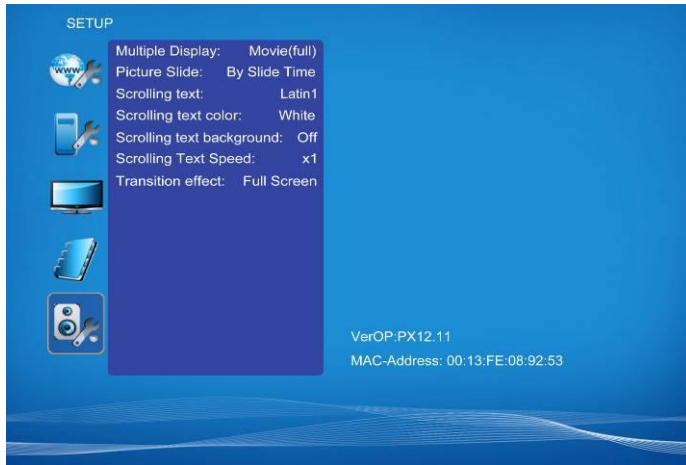
```
[NETWORK] RJ45 Options:Disable,RJ45,WiFi
[DHCP] On Options:On,Off
[IPAddress] 192.168.1.100 IPAddress
[Mask] 255.255.255.0 NetMask
[Gateway] 192.168.1.1 GateWay
[DNS] 168.95.1.1 DNS
```

Step4: Copy the completed file “HDPlayerSetting.txt” from PC to CF card. Insert the CF card to the PA22B1080PX-5, the PA22B1080PX-5 will apply the new settings automatically.

- **Play Button:** Only for used with play buttons. The PA22B1080PX-5 supports two options (Repeat Default / Repeat All) when the demo file finishes playing.
- **Log Function:** Enable or disable the Log function.
- **Auto Power On/ Off:** Enable or disable the Auto Power function. If this function is enabled, user might set a definite time for PA22B1080PX-5 to power on/off automatically.
- **AutoPower Setting:** Press “Enter” button on the remote controller, the “PowerOn” setting window will pop up. User could set the power on/off time here.



7.4 Scrolling Text Setup

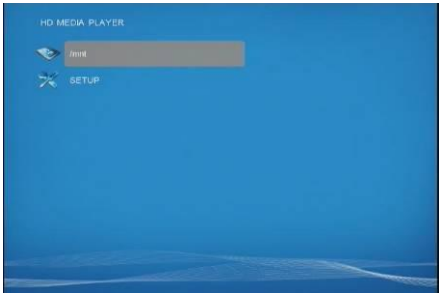


- **Multiple Display:**
 - **Movie (full):** Display videos (full screen) with scrolling text.
 - **Movie (small):** Display videos (original size) with scrolling text.
 - **Movie + PIC (L):** Play videos and pictures with scrolling text, and the pictures are on the left.
 - **Movie + PIC (R):** Play videos and pictures with scrolling text, and the pictures are on the right.
- **Picture Slide:** Set the mode of picture slideshow (**By Slide Time/ Match Video**).
- **Scrolling text:** Select the font (Latin1/ Latin2/ Japanese/ Greek) that the user wants to use in the scrolling text.
- **Scrolling text color:** Select the color of the text (white/ yellow/ green).
- **Scrolling text background:** Turn on/ off the background of the scrolling text.
- **Scrolling text speed:** Adjust the speed of the scrolling text.
- **Transition effect:** Set transition effects for your photo slideshow.

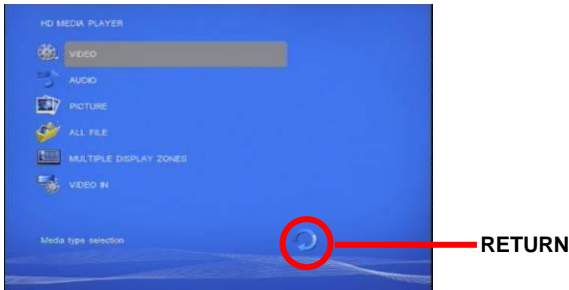
8. USING THE PA22B1080PX-5


8.1 PLAY MEDIA FILES ON THE CF CARD

Step 1: Insert the CF card with media files and plug in the power supply to turn on the PA22B1080PX-5. Press the “ENTER” button on the remote control when “mnt/CF” is highlighted to take you into the CF card.

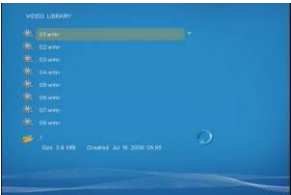


Step 2: Select the type of data (VIDEO/ AUDIO/ PICTURES) you want to play, and then press the “ENTER” button on remote control to take you into the “VIDEO LIBRARY”, “AUDIO LIBRARY” or “PICTURE LIBRARY”.

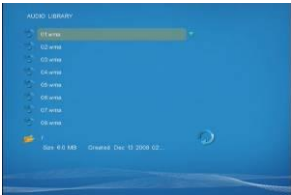


Note: If the symbol  (return) appears on the screen, you can use “RETURN” button of the remote control to go back one layer.

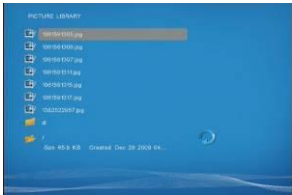
Step 3: Select the file you want to play, and press “ENTER” or “PLAY” button on the remote control to play the file.



VIDEO LIBRARY



AUDIO LIBRARY



PICTURE LIBRARY

8.1.1 Using the Remote Control When Media File Is Playing

- **SETUP:** Press the button to adjust the brightness, contrast or saturation while the **video** or **picture** is playing. With the “+ VOLUME –” button.
 - **First Press:** Adjust the brightness.
 - **Second Press:** Adjust the contrast.
 - **Third Press:** Adjust the saturation.



Brightness



Contrast



Saturation

- **MUTE:** Mute the sound while the movie or music is playing.
- **+ VOLUME -:** Increase/ decrease the volume while the **video** or **music** is playing.
- **SHUFFLE:** Turn on/ off the shuffle function.
- **PREV / NEXT:** Play the previous/ next file.
- **REPEAT:** Select the repeat mode.
- **REV / FWD:** Rewind/ forward movie or music file.
- **STOP:** Stop playing, and go back one layer.
- **INFO:** Display the file information.



File Information

- **SERACH:** Search video (movie) timeframe

Press the “SEARCH” button, and enter the initial time that you want to start at, then press the “ENTER” button to play.



- **PAUSE/STEP:** Pause the playback or play frame by frame.
- **ZOOM:** Zoom in/ out on the movie or picture.



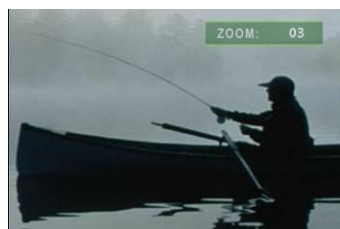
Original Size



First Press : ZOOM 01



Second Press : ZOOM 02



Third Press : ZOOM 03

8.2 MULTIPLE DISPLAY ZONES

Step 1: Put movies, pictures (only supports **PNG** format/ size: 213x641/ 96DPI) and text file on CF card.

■ Picture Files

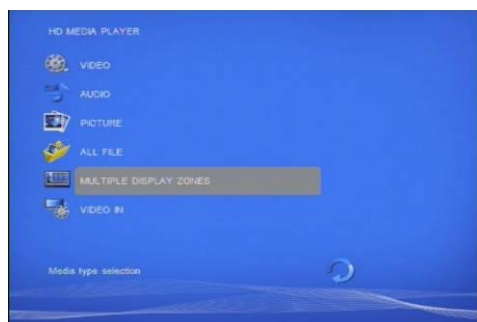
If you select the “**By Slide Time**” item of the picture slide mode; please name the picture files 0.png ~ 9.png.

If you select the “**Match Video**” item of the picture slide mode, the file name of the picture must be the same of the corresponding movie file.

■ Text File

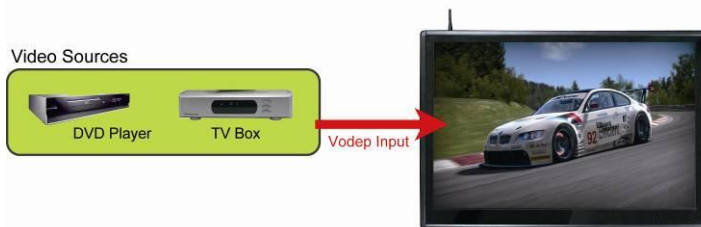
Use the “Notepad” to create a text file on your PC. Enter the message that you want to display and named the file “message.txt”.

Step 2: Select the **Multiple Display Zones** item to display the movies and pictures with scrolling text immediately.



8.3 VIDEO IN

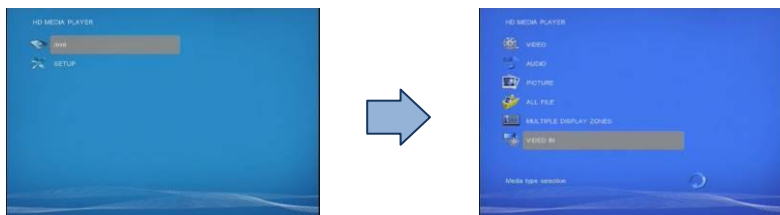
Mode 1: Only play live Videos from video sources.



Step 1: Connects the Video source (DVD Player or TV Box) to video input of the PA22B1080PX-5.

Step 2: Turn off the background of scrolling text (refer to section 7.4 Scrolling Text Setup).

Step 3: Select the **Video In** item to directly play the live videos on your screen.



Mode 2: Play live videos with scrolling text.

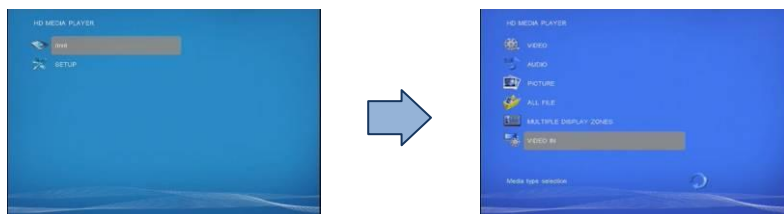


Step 1: Connects the Video source (DVD Player or TV Box) to video input of PA22B1080PX-5.

Step 2: Use the "Notepad" to create a text file that you want to play on your PC (named the file "message.txt"), and then copy the scrolling text file on CF card.

Step 3: Refer to section 7.4 Scrolling Text Setup to set the text color and turn on the background of scrolling text.

Step 4: Select the **Video In** item to directly play the live videos and scrolling text on your screen.



Mode 3: Play live videos, pictures and scrolling text simultaneously



Step 1: Connects the video source (DVD Player or TV Box) to video input of PA22B1080PX-5.

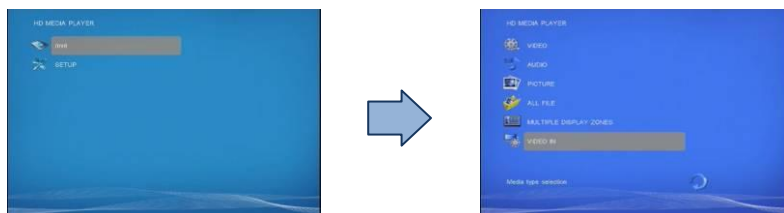
Step 2: Put pictures (only supports **PNG** format/ size: 213x641/ 96DPI) on the CF card.

NOTE: You should set the picture slide mode to “**By Slide Time**” (refer to section **7.4 Scrolling Text Setup**), and named the picture files 0.png ~ 9.png (supports up to 10 pictures).

Step 3: Use the “**Notepad**” to create a text file that you want to play on your PC (named the file “**message.txt**”), and then copy the scrolling text file on CF card.

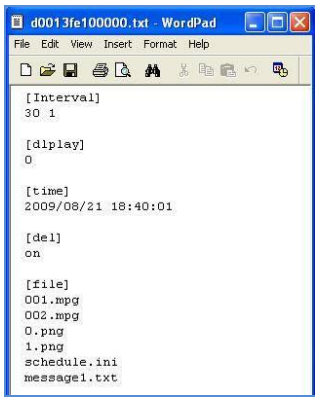
Step 4: Refer section to **7.4 Scrolling Text Setup** to set the text color and turn on the background of scrolling text.

Step 5: Select the **Video In** item to directly play the live videos, pictures and scrolling text simultaneously on your screen.

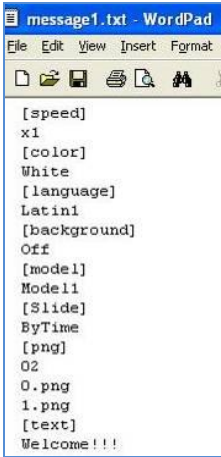


8.4 FTP AUTO DOWNLOAD FUNCTION

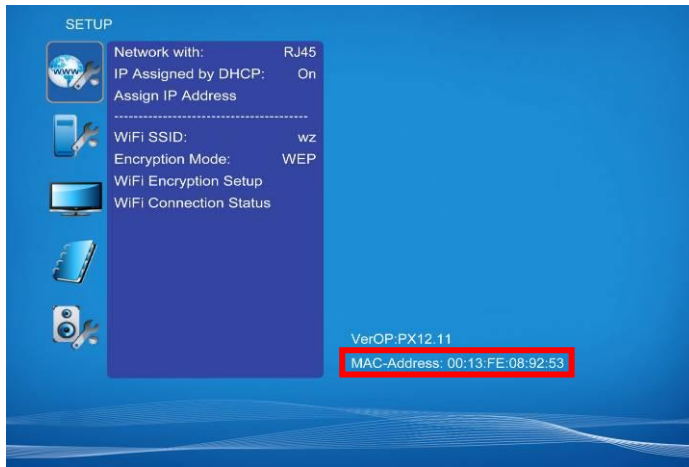
Step1: Use the “Notepad” to create a commands file on your PC as shown below (you can refer to the sample file (d0013fe100000) on the provided CD):



Item	Description
[Interval] 30 1	<p>Initial time and interval time setting (for connecting to the FTP server and checking whether the commands file in the FTP)</p> <p>The first value is the Initial Time (unit: minutes)</p> <p>The second value is Interval Time (unit: minutes)</p> <p>Example 1: the current time of the PA15/17/19/22B1080PX is 00:00 , and the entered value is 25 6.</p> <p>The PA15/17/19/22B1080PX will connect to the FTP server and check whether the commands file in the FTP server at 00:25, than again every 6 minutes (00:31, 00:37, 00:43, 00:49, 00:55...).</p> <p>Example 2: the current time of the PA15/17/19/22B1080PX is 00:10, and the entered value is 45 15.</p> <p>The PA15/17/19/22B1080PX will connect to the FTP server and check whether the commands file in the FTP server at 00:45, than again every 15 minutes (01:00, 01:15, 01:30, 01:45, 02:00...).</p>
[dplay] 0	<p>Enable or disable the function (play files & FTP auto download simultaneously)</p> <p>0: Disable the function (the speed of download will be faster)</p> <p>1: Enable the function (the speed of download will be slower)</p>
[time] 2009/08/21 10:40:01	<p>Set the time to restart the PA15/17/19/22B1080PX after finish downloading (replace the downloaded files).</p> <p>NOTE:</p> <ol style="list-style-type: none">Format: yyyy/mm/dd hh/mm/ssThis field cannot be blank; otherwise the PA15/17/19/22B1080PX won't restart nor play the downloaded files.
[del] on	<p>Delete the original files on the CF card after finish downloading.</p> <p>on: Delete the original files on the CF card</p> <p>off: Keep the original files. The PA15/17/19/22B1080PX will overwrite a file of the same name.</p>

Item	Description																		
[file] 001.mpg 002.mpg 0.png 1.png schedule.ini message1.txt	<p>Enter the filename you want to download.</p> <p>Note: The length of file name and extension cannot exceed 20 characters.</p> <p>The file schedule.ini is created by the Schedule Maker software. (refer to section 10)</p> <p>The file message1.txt is a text file that can change scrolling text settings. Use the "Notepad" to create the text file on your PC as shown below, and named the file message1.txt (you can refer to the text file (message1.txt) on the provided CD).</p> <table border="1"> <thead> <tr> <th>Item</th><th>Description</th></tr> </thead> <tbody> <tr> <td>[speed] X1</td><td>Set the display speed of the scrolling text. Please enter X1, X2 or X3.</td></tr> <tr> <td>[color] White</td><td>Set the scrolling text color. Please enter White, Yellow, Green or Rotation.</td></tr> <tr> <td>[language] Latin1</td><td>Set the font of scrolling text. Please enter Latin1, Latin2, Japanese or Greek.</td></tr> <tr> <td>[background] Off</td><td>Enable or disable the scrolling text background. On: Enable the background. Off: Disable the background.</td></tr> <tr> <td>[model] Model1</td><td>Set the model of the multiple display zone. Model1: Play videos with scrolling text. Model2: Play videos, pictures and scrolling text simultaneously, and the pictures are on the left. Model2: Play videos, pictures and scrolling text simultaneously, and the pictures are on the right.</td></tr> <tr> <td>[Slide] ByTime</td><td>Set the picture slideshow mode. ByTime: Change the pictures with the internal time. MatchVideo: Change the pictures with the videos.</td></tr> <tr> <td>[png] 02 0.png 1.png</td><td>Enter the quantity and filename of pictures. The first value is the quantity of picture. Example: If there are two pictures. Please enter 02, and then enter the filename of the two pictures (0.png and 1.png).</td></tr> <tr> <td>[text] Welcome!!!</td><td>Enter the message that you want to display.</td></tr> </tbody> </table> 	Item	Description	[speed] X1	Set the display speed of the scrolling text. Please enter X1, X2 or X3.	[color] White	Set the scrolling text color. Please enter White, Yellow, Green or Rotation.	[language] Latin1	Set the font of scrolling text. Please enter Latin1, Latin2, Japanese or Greek.	[background] Off	Enable or disable the scrolling text background. On: Enable the background. Off: Disable the background.	[model] Model1	Set the model of the multiple display zone. Model1: Play videos with scrolling text. Model2: Play videos, pictures and scrolling text simultaneously, and the pictures are on the left. Model2: Play videos, pictures and scrolling text simultaneously, and the pictures are on the right.	[Slide] ByTime	Set the picture slideshow mode. ByTime: Change the pictures with the internal time. MatchVideo: Change the pictures with the videos.	[png] 02 0.png 1.png	Enter the quantity and filename of pictures. The first value is the quantity of picture. Example: If there are two pictures. Please enter 02, and then enter the filename of the two pictures (0.png and 1.png).	[text] Welcome!!!	Enter the message that you want to display.
Item	Description																		
[speed] X1	Set the display speed of the scrolling text. Please enter X1, X2 or X3.																		
[color] White	Set the scrolling text color. Please enter White, Yellow, Green or Rotation.																		
[language] Latin1	Set the font of scrolling text. Please enter Latin1, Latin2, Japanese or Greek.																		
[background] Off	Enable or disable the scrolling text background. On: Enable the background. Off: Disable the background.																		
[model] Model1	Set the model of the multiple display zone. Model1: Play videos with scrolling text. Model2: Play videos, pictures and scrolling text simultaneously, and the pictures are on the left. Model2: Play videos, pictures and scrolling text simultaneously, and the pictures are on the right.																		
[Slide] ByTime	Set the picture slideshow mode. ByTime: Change the pictures with the internal time. MatchVideo: Change the pictures with the videos.																		
[png] 02 0.png 1.png	Enter the quantity and filename of pictures. The first value is the quantity of picture. Example: If there are two pictures. Please enter 02, and then enter the filename of the two pictures (0.png and 1.png).																		
[text] Welcome!!!	Enter the message that you want to display.																		

Step2: Remember to save the file after editing and named the command file **d + MAC address.txt**.
Example: The MAC address of PA22B1080PX is 0013fe089253 and named the file **d0013fe089253.txt**.
NOTE: The MAC address of PA22B1080PX will be displayed in the setup menu.



Step3: Put all the files (included media files/ command file (ex. d0013fe089253.txt/ schedule.ini/ message1.txt) to the FTP server. The PA22B1080PX will read the command file (ex. d0013fe089253.txt), and download the specified files.

NOTE: The filename of the media files in FTP server cannot have any spaces.

Step4: The download status will be displayed in lower right corner of the screen

Blinking Green Light: Indicate the PA22B1080PX is downloading.

Blinking Red Light: The connection to the FTP server has failed.



Blinking Green Light



Blinking Red Light

8.5 RS-232 FUNCTION (RS-232 cable is optional)

Step1: Using the RS-232 cable (optional) to connect the PA22B1080PX-5 to your PC.

Step2: Use the tool “Tera Term” or other tools to control the PAB1080PX-5 with ASCII command.

- The available baud rate is “19200”.
- The reaction time of PA22B1080PX-5 is around three seconds.

■ Keyboard Layout

q : POWER	+ : VOL +	w : SLOW
R : RETURN	- : VOL -	> : NEXT
! : REPEAT	* : MUTE	< : PREW
~ : SETUP	S : SELECT	u : UP
# : TV MODE	p : PLAY	d : DOWN
% : AutoPlay	P : PAUSE/STEP	I : LEFT
i : INFO	x : STOP	r : RIGHT
m : NTSC/PAL	f : FFW	s : ENTER
\$: SEARCH	b : REW	C : CLEAR
(XXXXX.XXX) : Play The File (xxxxx.xxx is the file name)		
NOTE : Must include the round brackets.		
[number]: Play the file by index. (numbers < upper case letters < lowercase letter)		

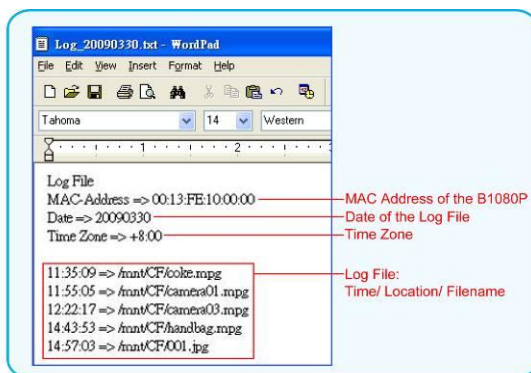
8.6 LOG FUNCTION

Step1. Please turn on the **Log Function** first. (Refer to section 7.3 Other Setup)

Step2 .The new log files are automatically generated every day. The log file contains media filename and start time of playback.

NOTE: The log files will be stored on the CF card and uploaded to the specified FTP server.

Step3. The log file (.txt) can be viewed on your PC using **WordPad**.



9. HTTP COMMAND FUNCTION

- Confirm that the PA22B1080PX-5 is already connected to the network. (Refer to section 7.1)
- Confirm the “**Local HTTP Server**” function has been enabled, and the “**Local HTTP Server Setup**” set has been completed (refer section to 7.2).
- Set your router or firewall, and open a port 80 for the PA22B1080PX-5. The following figure is an example, please refer to your user’s manual of router for opening ports.



- **Start IE Browser on PC and type the HTTP site or IP:**
 In the local PC, please type “http://192.168.1.100”.
 In the remote PC, please type “http://61.30.13.40:80”.
- Type the “User Name”, “Password” and click “OK” to log on. (**Default User Name: root** **Default Password: admin**)



- There are six items: “Control”, “Network”, “Server”, “Time”, “Features” and “Reboot”



9.1 CONTROL

The screenshot shows a web interface with two main sections: 'Control' and 'Autoplay'. The 'Control' section has radio buttons for 'Stop', 'Play', 'Pause', 'Prev', 'Next', 'Up', and 'Down', a volume slider set to 12 (range 1-31), and a 'Send' button. The 'Autoplay' section has a checked 'Enable' checkbox and radio buttons for 'Movies', 'Picture', 'All', 'MultiLayer' (selected), 'HDMI-In', and 'Video-In', with a 'Send' button. A 'Reload' button is at the bottom right.

- **Control:** Select one of the control commands, and press the “Send” to control the PA22B1080PX-5 immediately.
 - **Stop:** Stop playback
 - **Play:** Start playback.
 - **Pause:** Pause the playback.
 - **Prev:** Play the previous file.
 - **Next:** Play the next file.
 - **Volume:** Adjust the volume.

- **Autoplay:** Select the auto play mode.
 - **Enable:** Enable or disable the auto play function.
 - **Movies:** Play movie files on the CF card automatically after power on.
 - **Pictures:** Play picture files on the CF card automatically after power on.
 - **All:** Play all the media files on the CF card automatically after power on.
 - **Multi Layer:** Directly execute Multiple Display function after power on.
 - **HDMI In:** Play the HD videos from HDMI input automatically after power on.
 - **Video In:** Play the live videos from video source automatically after power on.

9.2 NETWORK

Network

☒ Enable

Interface: ☒ Ethernet
☐ Wireless

Send

General Setup

☐ Enable DHCP
(automatic configuration)

IP:1921681100

Subnet:2552552550

Gateway:19216811

DNS server:1689511

Send

Wireless Setup

SSID:work

Encryption mode:WEP/64bit

Key / Passphrase:*****

Send

Reload

- **Network**
 - **Enable:** Enable or disable the network function.
 - **Interface:** Select your network connection Ethernet (wired) or Wireless.
- **General Setup**
 - **Enable DHCP:** Enable or disable the DHCP function.
 - **IP/ Subnet/ Gateway/ DNS server:** Enter the fixed IP address, Subnet, Gateway and DNS for the PA22B1080PX-5.
- **Wireless Setup**
 - **SSID:** Enter the SSID.
 - **Encryption mode:** Select an encryption mode.
 - **Key/ Passphrase:** The key you enter here must match the password of the device exactly.

9.3 SERVER

Download from FTP Server

☒ Enable

Port: 21

IP address: 192.168.168.72

Path: group01

User name: root

Password: *****

Send

Local FTP Server Setup

☒ Enable Local FTP Server

Port: 21

ID: root

PassWord: *****

Send

FTP Server Address: <ftp://192.168.1.100:21>

Reload

■ Download from FTP Server

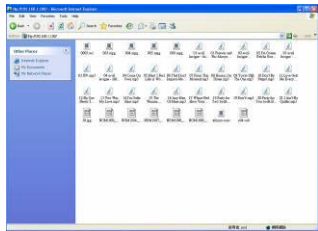
- **Enable:** Enable or disable the FTP auto download function.
- **Port:** The default port for FTP is 21. In most cases you should not change this number. If the FTP site uses a port other than 21, you should enter the correct port.
- **IP address:** Enter the domain name or IP address of the remote FTP server.
- **Path:** Enter the folder path that you want to share.
- **User name:** Enter the user name of the remote FTP server.
- **Password:** Enter the password of the remote FTP server.

■ Local FTP Server Setup

- **Enable:** Turn on/ off the PA22B1080PX-5 server.
- **Port:** Enter the port of the PA22B1080PX-5.
- **ID:** Enter the user name of the PA22B1080PX-5 (**default ID: root**).
- **Password:** Enter the password of the PA22B1080PX-5 (**default password: admin**).

■ FTP Server Address: Click on the address to directly connect to the PA22B1080PX-5 server.

Enter the user name and password (Default User Name: **root**, Default Password: **admin**) to log on. After logging on all the media files on the CF card will be listed. You can download and upload the media files between CF card and your PC.



9.4 TIME

NTP Server

☒ Enable

GMT Server:

Time Zone: hours min

Send

Reload

■ NTP Server

- **Enable:** Enable or disable the NTP server function.
- **GMT Server:** Enter the NTP server IP address like: 66.187.233.4.
- **Time Zone:** Set the time zone of your location.

9.5 FEATURES

Web Interface

☒ Enable

Port:

User ID:

Password:

Send

Web Auth

☐ Enable Auth

Send

Scrolling Text

Send

Reload

- **Web Interface**
 - **Enable:** Enable or disable the HTTP command function.
 - **Port:** Enter the port of the PA22B1080PX-5 (**default port: 80**)
 - **User ID:** Enter the user name of the PA22B1080PX-5 (**default ID: root**).
 - **Password:** Enter the password of the PA22B1080PX-5 (**default password: admin**).
- **Web Auth:** Select the “**Enable Auth**” checkbox, you will need to enter the username (root) and password (admin) to login.
- **Scrolling Text:** Enter the message that you want to display, and press “Send” to display the scrolling text message on the screen immediately (the message you entered through the http function will not be stored on CF card).

9.6 REBOOT

Reboot

System Reboot

- **Reboot the PA22B1080PX-5.**

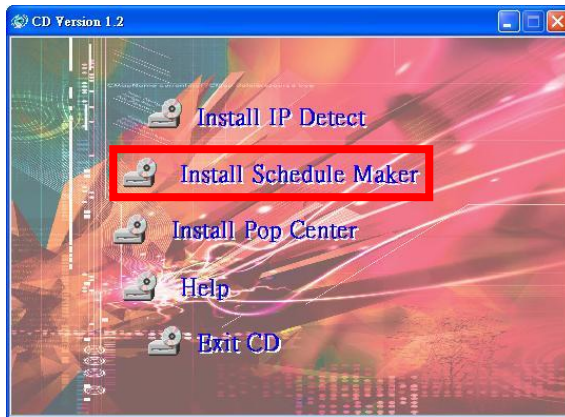
10. SCHEDULE FUNCTION

NOTE: The “NTP Server” or “Local Time” must be set before using the Schedule Function. (refer to section 7.2)

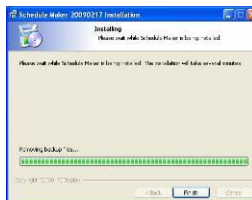
10.1 INSTALL THE SCHEDULE SOFTWARE

Step1: Insert the driver CD into your CD-ROM drive, then the autorun function will start up the shell program. If the autorun window does not display, please execute the Autorun.exe program to bring out the autorun screen.

Step2: Click on the **Install Schedule Maker** to install the schedule software.




Select the installation folder and click **Install** to continue



Installing

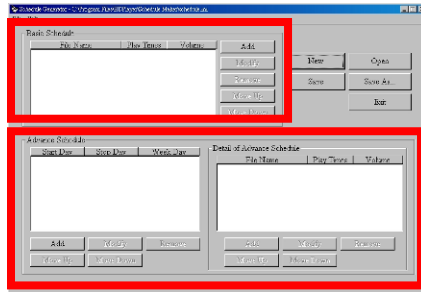


Click **Finish** to complete the installation

Step3: After installing the schedule software, the “Schedule Maker” icon () should appear on your desktop. Or you could also find the shortcut of “Schedule Maker” by click on < Start > → < Programs > → < Schedule Maker 20090217 > → < Schedule Maker >.

10.2 START THE SCHEDULE SOFTWARE

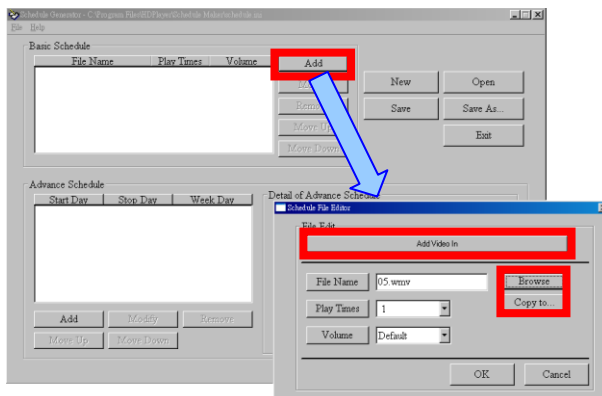
- You might double click the “Schedule Maker” icon on your desktop for opening the “Schedule Generator”. Or you might click on <Start> → <Programs> → <Schedule Maker 20090217> → <Schedule Maker > for starting the program.
- There are two parts of program: “Basic Schedule” and “Advance Schedule” in the window.



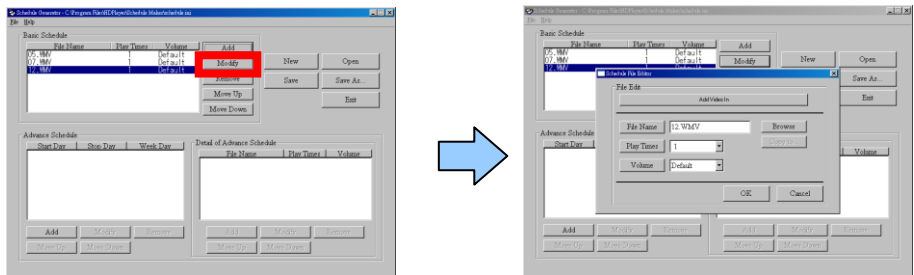
10.2.1 Basic Schedule

In the “Basic Schedule” mode, you could arrange a basic schedule that instructs the player to play specified video files or HDMI input in the ordinary time. You could also set up the play times of each video file on the schedule.

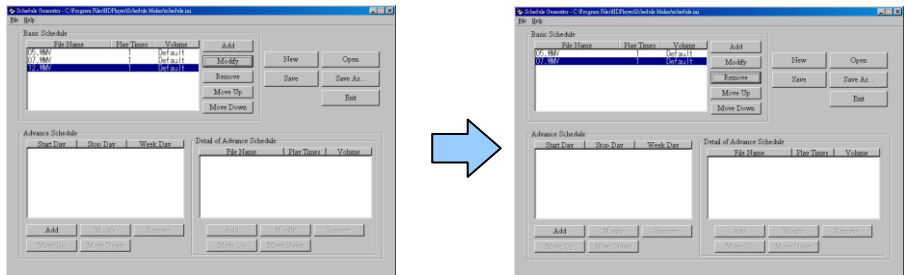
- **Add:** Click this button to choose a video file or HDMI input. The following diagram appears:
 - Click on “**Add Video In**” button for instructing the player to play the HDMI input only.
 - Click the “**Browser**” button to search for files that you want to add. You can also set up the “Play Times” and “Volume” of the file in this window. Click the “**OK**” button to complete the setup.
 - Click the “Add” button again to add other file. If you choose “Video In” in the previous step, the “Add” button will be blank. That means you want the player to play the “Video In” in the ordinary time. And if you’d like the player switching between the “Video In” and video files in the specific time, you might combine a Video In Basic Schedule with an Advance Schedule function.
 - **COPY Function:** Click the “**Copy to...**” button to copy directly the added file to the memory card.



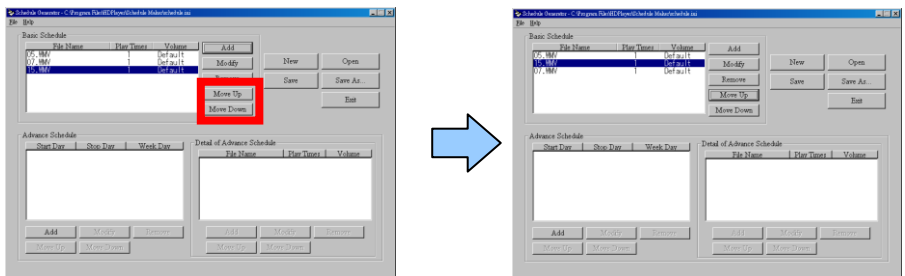
- **Modify:** Click this button to modify the file in the list.
 - Select the file that you want to modify in the list, and press the **"Modify"** button.



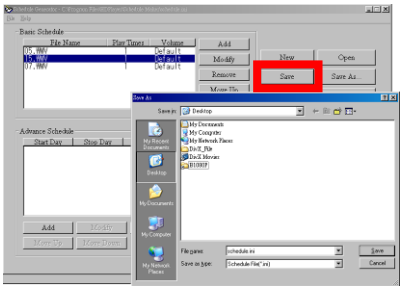
- **Remove:** Click this button to remove the file from the list.
 - Select the file that you want to remove from the list, and press the **"Remove"** button to delete.



- **Move Up / Move Down:** Click these buttons to change the order that the files are played.



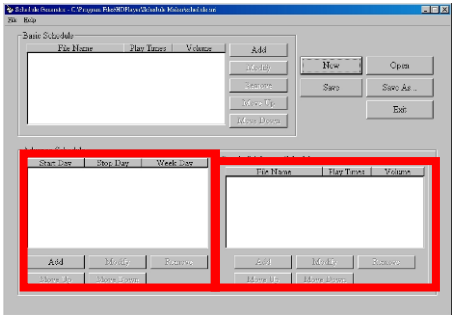
Press the **“SAVE”** button and a pop-up window will appear. Select the path, then click the **“SAVE”** button to save your setup.



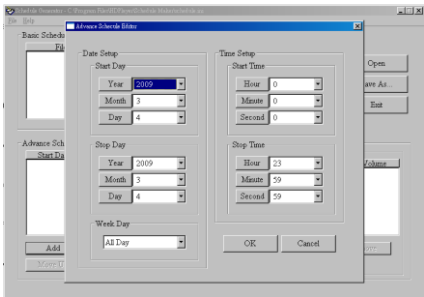
NOTE: Do not rename the file (schedule.ini), otherwise the PA22B1080PX-5 will not be able to read the file.

10.2.2 Advance Schedule

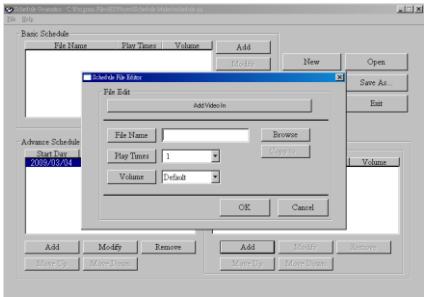
In the “Advance Schedule” mode, you can select files that you want to play, and can also set up the play times, and the initial and end time of each file. There are “Time Setup” and “File Setup” in the “Advance Schedule”.



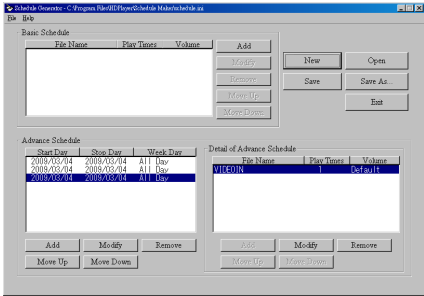
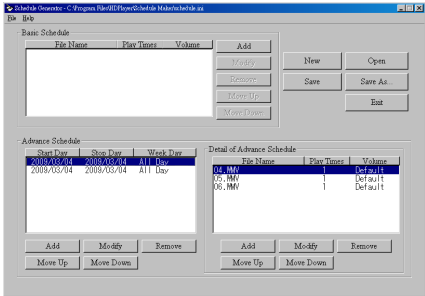
Step 1: Click the “Add” button in the “Time Setup” section to open the “Advance Schedule Editor” window. Set up the Start and Stop Date, Start and Stop Time and the Week Day, then click “OK” to quit the window.



Step 2: Click the “Add” button in the “File Setup” section to open the “Schedule File Editor” window. Click the “Browse” button to select a file that you want to play. You can also set up the “Play Times” of the file in the window. Click the “OK” button to complete the setup. Or you can add video in schedule by pressing “Add Video In” button for instructing the player to play the “Video In” in a specific period of time.



Step 3: Repeat the steps 1 and 2 to add other files or Video In (HDMI In).



Step 4: After finishing all setup, press the “SAVE” button and a pop-up window will appear. Select the path, then click the “SAVE” button to save.

NOTE: Do not rename the file (schedule.ini), otherwise the PA22B1080PX-5 will not be able to read the file.

10.2.3 Explanation of the Warning Message

■ No any schedule! ! Can't Save!

There is no schedule file in the "Basic Schedule" or "Advance Schedule" can be saved. Please add and edit a new schedule file first.



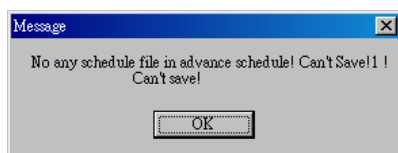
■ Date Setup Error!

There are some errors in the "Advance Schedule". Check the date/ time of the schedule for conflict or error.



■ No any schedule file in advance schedule! ! Can't Save! !

There is no schedule file in the advance schedule. Please add files that you want to play in the advance schedule.



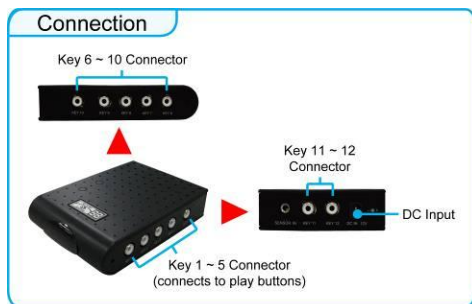
10.3 APPLY THE SCHEDULE ON THE PA22B1080PX-5

Put the "schedule.ini" file and the associated media files on the memory card, and insert the memory card to the PA22B1080PX-5. The PA22B1080PX-5 will auto play the files at the designated time.

11. OPTIONAL AUXILIARY EQUIPMENT

11.1 PLAY-BUTTON BOX (Eyezone BB)

- The Play Button Box (Eyezone BB) supports up to 12 play-button inputs.
- Press one of the play buttons to play the corresponding file.
- **Hardware Connection**



■ Play the Media File By the Play-Button

ex. 5 Play-Buttons (supports up to 12 play buttons)

Step 1: Put 6 demo files on CF card. (1 default file and 5 demo files)

NOTE: The files are sorted by filename in ascending order alphanumerically (numbers < upper case letters < lowercase letter). Each button is mapped to a file by this order.

For Example:

There are 6 demo files on the CF card. The file names are a01.xxx, 33.xxx, b55.xxx, 1abc.xxx, 07.xxx and A01.xxx. (xxx is extension of the file)

Default File: 07.xxx

Demo File 1: 1abc.xxx

Demo File 2: 33.xxx

Demo File 3: A01.xxx

Demo File 4: a01.xxx

Demo File 5: b55.xxx

Step 2: Insert the CF card to the PA22B1080PX-5, and the PA22B1080PX-5 will play the default file automatically while powered on.

Step 3: Press one of the buttons 1-5 to play the corresponding demo file.

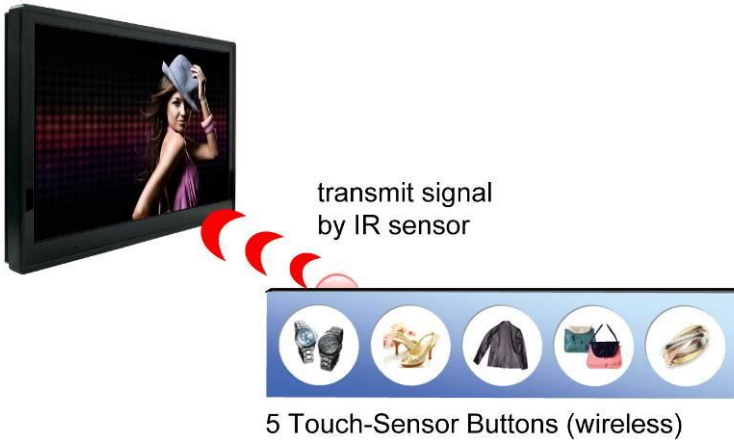
Step 4: The PA22B1080PX-5 supports two options (Repeat Default / Repeat All) when the demo file finishes playing. The functions can be set in the setup menu. (Other Setup → Play Button)

- **Repeat Default:** The PA22B1080PX-5 will automatically play the default file when the demo file finishes playing.
- **Repeat All:** The PA22B1080PX-5 will automatically play all the demo files when the demo file finishes playing.

11.2 TOUCH-SENSOR BUTTONS

11.2.1 Features of the Touch-Sensor Buttons

- The number of touch-sensor buttons can be customized to 12, 24 or 36 for OEM project.
- Used with various operating environment (glass, plastics and acrylic material, except metal material), the thickness can be customized for OEM project.



11.2.2 Demo Files

Ex. Using the wireless 5 Touch-Sensor Buttons

- Put 6 demo files on CF card. (1 default file and 5 demo files)

NOTE: The files are sorted by filename in ascending order alphanumerically (numbers < upper case letters < lowercase letter). Each button is mapped to a file by this order.

For Example:

There are 6 demo files on the CF card. The file names are a01.xxx, 33.xxx, b55.xxx, 1abc.xxx, 07.xxx and A01.xxx. (xxx is extension of the file)

Default File: 07.xxx

Demo File 1: 1abc.xxx

Demo File 2: 33.xxx

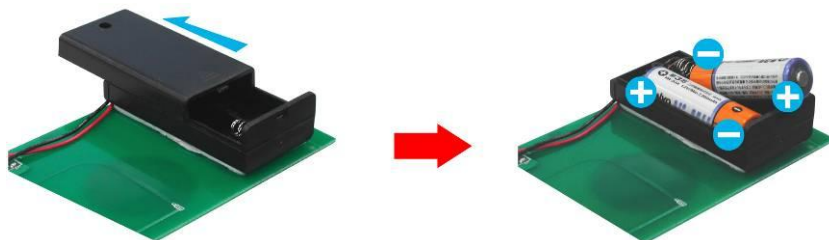
Demo File 3: A01.xxx

Demo File 4: a01.xxx

Demo File 5: b55.xxx

11.2.3 Connect to the Touch-Sensor Buttons

- Open the battery cover and set the batteries (AA size) as shown below. Please note that the polarity of the battery.



11.2.4 Play the Demo Files

Step 1: Insert the CF card to the PA22B1080PX-5, and the PA22B1080PX-5 will play the default file automatically while powered on.

Step 2: Press one of the touch-sensor buttons 1-5 to play the corresponding demo file.

Step 3: The PA22B1080PX-5 supports two options (Repeat Default / Repeat All) when the demo file finishes playing. The functions can be set in the setup menu. (Other Setup → Play Button)

- **Repeat Default:** The PA22B1080PX-5 will automatically play the default file when the demo file finishes playing.
- **Repeat All:** The PA22B1080PX-5 will automatically play all the demo files when the demo file finishes playing.

12. TROUBLESHOOTING

Situation	Check Point
No Picture	<ol style="list-style-type: none">1. Check power cable.2. Make sure the file format on the CF card is correct.
No Response From the Remote Control	<ol style="list-style-type: none">1. Check that the batteries (2 batteries (AAA size) for the remote control is installed correctly.2. Check that there are no obstacles between the remote control and the remote control sensor window.
No sound	<ol style="list-style-type: none">1. Check if the mute function is on.2. Check if the volume is set properly.
No Responding while pressing the wireless touch – sensor buttons	<ol style="list-style-type: none">1. Confirm the polarity of the battery.2. Check that there are no obstacles between the touch-sensor buttons and the sensor window.
Network Not Working	<ol style="list-style-type: none">1. Check your IP settings on the Network Setup page. (refer to 7.1)2. If using wired network, make sure the network cable is plugged in on both the PA22B1080PX-5 and your network hub.
Wireless Network Not Working	<ol style="list-style-type: none">1. Ensure that you have entered the correct WEP password for you access router.2. Ensure that you wireless router supports 802.11b/g.3. Adjust the wireless antennas for better signal reception.